

SUCO



P07/09

RAW SEQUENCE LISTING

DATE: 08/26/2002

PATENT APPLICATION: US/09/831,805A

TIME: 14:39:31

Input Set : A:\pf0643usn_seqlist.txt

Output Set: N:\CRF3\08262002\I831805A.raw

4 <110> APPLICANT: INCYTE PHARMACEUTICALS, INC.
 5 YUE, Henry
 6 TANG, Y. Tom
 7 CORLEY, Neil C.
 8 GUEGLER, Karl J.
 9 GORGONE, Gina A.
 10 BAUGHN, Mariah R.
 11 LU, Dyung Aina M.
 12 LAL, Preeti
 13 HILLMAN, Jennifer L.
 14 YANG, Junming
 16 <120> TITLE OF INVENTION: IMMUNOGLOBULIN SUPERFAMILY PROTEINS
 18 <130> FILE REFERENCE: PF-0643 PCT
 C--> 20 <140> CURRENT APPLICATION NUMBER: US/09/831,805A
 C--> 21 <141> CURRENT FILING DATE: 2002-08-26
 23 <150> PRIOR APPLICATION NUMBER: 09/195,853; unassigned; 60/113,635; 60/128,194
 W--> 24 <151> PRIOR FILING DATE: 1998-11-19; 1998-11-19; 1998-12-22; 1999-04-07
 26 <160> NUMBER OF SEQ ID NOS: 38
 28 <170> SOFTWARE: PERL Program
 30 <210> SEQ ID NO: 1
 31 <211> LENGTH: 237
 32 <212> TYPE: PRT
 33 <213> ORGANISM: Homo sapiens
 35 <220> FEATURE:
 36 <221> NAME/KEY: misc_feature
 37 <223> OTHER INFORMATION: Incyte ID NO: 079785CD1
 39 <400> SEQUENCE: 1
 40 Met Asp Met Arg Val Pro Ala Gln Leu Leu Gly Leu Leu Leu Leu
 41 1 5 10 15
 42 Trp Leu Arg Gly Ala Arg Cys Asp Ile Gln Met Thr Gln Ser Pro
 43 20 25 30
 44 Ser Ser Leu Ser Ala Ser Val Gly Asp Arg Val Thr Ile Thr Cys
 45 35 40 45
 46 Arg Ala Gly Gln Ser Ile Ser Ser Tyr Leu Asn Trp Tyr Gln Gln
 47 50 55 60
 48 Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile Tyr Ala Ala Ser Ser
 49 65 70 75
 50 Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly
 51 80 85 90
 52 Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Phe
 53 95 100 105
 54 Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Ser Thr Pro Pro Ile Thr
 55 110 115 120

ENTERED

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/831,805A

DATE: 08/26/2002

TIME: 14:39:31

Input Set : A:\pf0643usn_seqlist.txt

Output Set: N:\CRF3\08262002\I831805A.raw

```

56 Phe Gly Gln Gly Thr Arg Leu Glu Ile Lys Arg Thr Val Ala Ala
57      125      130      135
58 Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys Ser
59      140      145      150
60 Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg
61      155      160      165
62 Glu Ala Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly
63      170      175      180
64 Asn Ser Gln Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr
65      185      190      195
66 Tyr Ser Leu Ser Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu
67      200      205      210
68 Lys His Lys Val Tyr Ala Cys Glu Val Thr His Gln Gly Leu Ser
69      215      220      225
70 Ser Pro Val Thr Lys Ser Phe Asn Arg Gly Glu Cys
71      230      235
74 <210> SEQ ID NO: 2
75 <211> LENGTH: 537
76 <212> TYPE: PRT
77 <213> ORGANISM: Homo sapiens
79 <220> FEATURE:
80 <221> NAME/KEY: misc_feature
81 <223> OTHER INFORMATION: Incyte ID NO: 2469025CD1
83 <400> SEQUENCE: 2
84 Met Asp Leu Leu His Lys Asn Met Lys His Leu Trp Phe Phe Leu
85 1      5      10      15
86 Leu Leu Val Ala Ala Pro Arg Trp Val Leu Ser Gln Val Gln Leu
87      20      25      30
88 Gln Gln Trp Gly Ala Gly Leu Leu Lys Pro Ser Glu Thr Leu Ser
89      35      40      45
90 Leu Thr Cys Ala Val Tyr Gly Gly Ser Phe Ser Gly Tyr Tyr Leu
91      50      55      60
92 Ser Gly Tyr Tyr Trp Ser Trp Ile Arg Gln Pro Pro Gly Lys Gly
93      65      70      75
94 Leu Glu Trp Ile Gly Glu Ile Asn His Ser Gly Ser Thr Asn Tyr
95      80      85      90
96 Asn Pro Ser Leu Lys Ser Arg Val Thr Ile Ser Val Asp Thr Ser
97      95      100      105
98 Lys Asn Gln Phe Ser Leu Lys Leu Ser Ser Val Thr Ala Ala Asp
99      110      115      120
100 Thr Ala Val Tyr Tyr Cys Ala Arg Gly Arg Ser Asp Ser Ser Gly
101      125      130      135
102 Ser Pro Tyr Gly Leu Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr
103      140      145      150
104 Val Ser Ser Ala Pro Thr Lys Ala Pro Asp Val Phe Pro Ile Ile
105      155      160      165
106 Ser Gly Cys Arg His Pro Lys Asp Asn Ser Pro Val Val Leu Ala
107      170      175      180
108 Cys Leu Ile Thr Gly Tyr His Pro Thr Ser Val Thr Val Thr Trp

```

RAW SEQUENCE LISTING

DATE: 08/26/2002

PATENT APPLICATION: US/09/831,805A

TIME: 14:39:31

Input Set : A:\pf0643usn_seqlist.txt

Output Set: N:\CRF3\08262002\I831805A.raw

109		185		190		195
110	Tyr Met Gly Thr	Gln Ser Gln Pro Gln	Arg Thr Phe Pro	Glu Ile		
111		200		205		210
112	Gln Arg Arg Asp	Ser Tyr Tyr Met Thr	Ser Ser Gln Leu	Ser Thr		
113		215		220		225
114	Pro Leu Gln Gln	Trp Arg Gln Gly Glu	Tyr Lys Cys Val	Val Gln		
115		230		235		240
116	His Thr Ala Ser	Lys Ser Lys Lys Glu	Ile Phe Arg Trp	Pro Glu		
117		245		250		255
118	Ser Pro Lys Ala	Gln Ala Ser Ser Val	Pro Thr Ala Gln	Pro Gln		
119		260		265		270
120	Ala Glu Gly Ser	Leu Ala Lys Ala Thr	Thr Ala Pro Ala	Thr Thr		
121		275		280		285
122	Arg Asn Thr Gly	Arg Gly Gly Glu Glu	Lys Lys Lys Glu	Lys Glu		
123		290		295		300
124	Lys Glu Glu Gln	Glu Glu Arg Glu Thr	Lys Thr Pro Glu	Cys Pro		
125		305		310		315
126	Ser His Thr Gln	Pro Leu Gly Val Tyr	Leu Leu Thr Pro	Ala Val		
127		320		325		330
128	Gln Asp Leu Trp	Leu Arg Asp Lys Ala	Thr Phe Thr Cys	Phe Val		
129		335		340		345
130	Val Gly Ser Asp	Leu Lys Asp Ala His	Leu Thr Trp Glu	Val Ala		
131		350		355		360
132	Gly Lys Val Pro	Thr Gly Gly Val Glu	Glu Gly Leu Leu	Glu Arg		
133		365		370		375
134	His Ser Asn Gly	Ser Gln Ser Gln His	Ser Arg Leu Thr	Leu Pro		
135		380		385		390
136	Arg Ser Leu Trp	Asn Ala Gly Thr Ser	Val Thr Cys Thr	Leu Asn		
137		395		400		405
138	His Pro Ser Leu	Pro Pro Gln Arg Leu	Met Ala Leu Arg	Glu Pro		
139		410		415		420
140	Ala Ala Gln Ala	Pro Val Lys Leu Ser	Leu Asn Leu Leu	Ala Ser		
141		425		430		435
142	Ser Asp Pro Pro	Glu Ala Ala Ser Trp	Leu Leu Cys Glu	Val Ser		
143		440		445		450
144	Gly Phe Ser Pro	Pro Asn Ile Leu Leu	Met Trp Leu Glu	Asp Gln		
145		455		460		465
146	Arg Glu Val Asn	Thr Ser Gly Phe Ala	Pro Ala Arg Pro	Pro Pro		
147		470		475		480
148	Gln Pro Gly Ser	Thr Thr Phe Trp Ala	Trp Ser Val Leu	Arg Val		
149		485		490		495
150	Pro Ala Pro Pro	Ser Pro Gln Pro Ala	Thr Tyr Thr Cys	Val Val		
151		500		505		510
152	Ser His Glu Asp	Ser Arg Thr Leu Leu	Asn Ala Ser Arg	Ser Leu		
153		515		520		525
154	Glu Val Ser Tyr	Val Thr Asp His Gly	Pro Met Lys			
155		530		535		
158	<210> SEQ ID NO: 3					
159	<211> LENGTH: 311					

RAW SEQUENCE LISTING

DATE: 08/26/2002

PATENT APPLICATION: US/09/831,805A

TIME: 14:39:31

Input Set : A:\pf0643usn_seqlist.txt

Output Set: N:\CRF3\08262002\I831805A.raw

```

160 <212> TYPE: PRT
161 <213> ORGANISM: Homo sapiens
163 <220> FEATURE:
164 <221> NAME/KEY: misc_feature
165 <223> OTHER INFORMATION: Incyte ID NO: 2906265CD1
167 <400> SEQUENCE: 3
168 Met Gly Thr Arg Leu Leu Phe Trp Val Ala Phe Cys Leu Leu Gly
169   1           5           10           15
170 Ala Asp His Thr Gly Ala Gly Val Ser Gln Ser Pro Ser Asn Lys
171           20           25           30
172 Val Thr Glu Lys Gly Lys Asp Val Glu Leu Arg Cys Asp Pro Ile
173           35           40           45
174 Ser Gly His Thr Ala Leu Tyr Trp Tyr Arg Gln Ser Leu Gly Gln
175           50           55           60
176 Gly Leu Glu Phe Leu Ile Tyr Phe Gln Gly Asn Ser Ala Pro Asp
177           65           70           75
178 Lys Ser Gly Leu Pro Ser Asp Arg Phe Ser Ala Glu Arg Thr Gly
179           80           85           90
180 Gly Ser Val Ser Thr Leu Thr Ile Gln Arg Thr Gln Gln Glu Asp
181           95          100          105
182 Ser Ala Val Tyr Leu Cys Ala Ser Ser Phe Leu Ala Gly Arg Gly
183          110          115          120
184 Asn Thr Ile Tyr Phe Gly Glu Gly Ser Trp Leu Thr Val Val Glu
185          125          130          135
186 Asp Leu Asn Lys Val Phe Pro Pro Glu Val Ala Val Phe Glu Pro
187          140          145          150
188 Ser Glu Ala Glu Ile Ser His Thr Gln Lys Ala Thr Leu Val Cys
189          155          160          165
190 Leu Ala Thr Gly Phe Phe Pro Asp His Val Glu Leu Ser Trp Trp
191          170          175          180
192 Val Asn Gly Lys Glu Val His Ser Gly Val Ser Thr Asp Pro Gln
193          185          190          195
194 Pro Leu Lys Glu Gln Pro Ala Leu Asn Asp Ser Arg Tyr Cys Leu
195          200          205          210
196 Ser Ser Arg Leu Arg Val Ser Ala Thr Phe Trp Gln Asn Pro Arg
197          215          220          225
198 Asn His Phe Arg Cys Gln Val Gln Phe Tyr Gly Leu Ser Glu Asn
199          230          235          240
200 Asp Glu Trp Thr Gln Asp Arg Ala Lys Pro Val Thr Gln Ile Val
201          245          250          255
202 Ser Ala Glu Ala Trp Gly Arg Ala Asp Cys Gly Phe Thr Ser Val
203          260          265          270
204 Ser Tyr Gln Gln Gly Val Leu Ser Ala Thr Ile Leu Tyr Glu Ile
205          275          280          285
206 Leu Leu Gly Lys Ala Thr Leu Tyr Ala Val Leu Val Ser Ala Leu
207          290          295          300
208 Val Leu Met Ala Met Val Lys Arg Lys Asp Phe
209          305          310
212 <210> SEQ ID NO: 4

```

RAW SEQUENCE LISTING

DATE: 08/26/2002

PATENT APPLICATION: US/09/831,805A

TIME: 14:39:31

Input Set : A:\pf0643usn_seqlist.txt

Output Set: N:\CRF3\08262002\I831805A.raw

```

213 <211> LENGTH: 194
214 <212> TYPE: PRT
215 <213> ORGANISM: Homo sapiens
217 <220> FEATURE:
218 <221> NAME/KEY: misc_feature
219 <223> OTHER INFORMATION: Incyte ID NO: 788975CD1
221 <400> SEQUENCE: 4
222 Met Thr Met Arg His Asn Trp Thr Pro Asp Leu Ser Pro Leu Trp
223   1           5           10           15
224 Val Leu Leu Leu Cys Ala His Val Val Thr Leu Leu Val Arg Ala
225           20           25           30
226 Thr Pro Val Ser Gln Thr Thr Thr Ala Ala Thr Ala Ser Val Arg
227           35           40           45
228 Ser Thr Lys Asp Pro Cys Pro Ser Gln Pro Pro Val Phe Pro Ala
229           50           55           60
230 Ala Lys Gln Cys Pro Ala Leu Glu Val Thr Trp Pro Glu Val Glu
231           65           70           75
232 Val Pro Leu Asn Gly Thr Leu Ser Leu Ser Cys Val Ala Cys Ser
233           80           85           90
234 Arg Phe Pro Asn Phe Ser Ile Leu Tyr Trp Leu Gly Asn Gly Ser
235           95          100          105
236 Phe Ile Glu His Leu Pro Gly Arg Leu Trp Glu Gly Ser Thr Ser
237          110          115          120
238 Arg Glu Arg Gly Ser Thr Gly Thr Gln Leu Cys Lys Ala Leu Val
239          125          130          135
240 Leu Glu Gln Leu Thr Pro Ala Leu His Ser Thr Asn Phe Ser Cys
241          140          145          150
242 Val Leu Val Asp Pro Glu Gln Val Val Gln Arg His Val Val Leu
243          155          160          165
244 Ala Gln Leu Trp Ala Gly Leu Arg Ala Thr Leu Pro Pro Thr Gln
245          170          175          180
246 Glu Ala Leu Pro Ser Ser His Ser Ser Pro Gln Gln Gln Gly
247          185          190
250 <210> SEQ ID NO: 5
251 <211> LENGTH: 236
252 <212> TYPE: PRT
253 <213> ORGANISM: Homo sapiens
255 <220> FEATURE:
256 <221> NAME/KEY: misc_feature
257 <223> OTHER INFORMATION: Incyte ID NO: 1407148CD1
259 <400> SEQUENCE: 5
260 Met Asp Met Arg Val Pro Ala Gln Leu Leu Gly Leu Leu Leu Leu
261   1           5           10           15
262 Trp Leu Pro Gly Ala Arg Cys Asp Ile Gln Leu Thr Gln Ser Pro
263           20           25           30
264 Ser Phe Leu Ser Ala Ser Val Gly Asp Arg Val Thr Ile Thr Cys
265           35           40           45
266 Arg Ala Ser Gln Leu Ile Ser Asn His Leu Ala Trp Tyr Gln Gln
267           50           55           60

```

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/831,805A

DATE: 08/26/2002
TIME: 14:39:32

Input Set : A:\pf0643usn_seqlist.txt
Output Set: N:\CRF3\08262002\I831805A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:27; N Pos. 150